

WHAT IS CLAIMED IS:

1. An optical element supporting device for information recording/reproducing apparatuses comprising:

5 a light source for irradiating a light beam;
 an objective lens through which the light beam irradiated from said light source forms at least one light spot on a recording medium;

10 an optical element for routing the light beam irradiated from said light source to said objective lens; and

 a support member for supporting said optical element so that said optical element can move in a first direction, said support member being extended so that when said optical element is moved in the first direction, the position of the
15 light spot in a direction of focus will be changed, and the light spot will travel in a direction substantially parallel to the recording tracks of said recording medium.

2. An optical element supporting device for information
20 recording/reproducing apparatuses according to Claim 1, wherein the light beam output from said optical element falls on a mirror from a direction of tracking, light reflected from the mirror falls on said objective lens, and said support member extends in a direction parallel to said recording
25 medium.

3. An optical element supporting device for information recording/reproducing apparatuses according to Claim 1, wherein the light beam output from said optical element falls on a mirror from a tangential direction, light reflected from the mirror falls on said objective lens, and said support member extends in a direction perpendicular to said recording medium.

4. An optical element supporting device for information recording/reproducing apparatuses according to Claim 1, wherein the light beam output from said optical element falls on said objective lens from a direction perpendicular to said recording medium, and said support member extends in a direction parallel to said recording medium and in a tangential direction.